

Biotinylated Human FOLR1 Protein, His-Avi Tag

产品信息

产品名称	产品编号	规格
Biotinylated Human FOLR1 Protein, His-Avi Tag	93137ES60	100 µg
	93137ES76	500 µg
	93137ES80	1 mg

产品描述

Folate Receptor 1 (FOLR1), also known as Folate Receptor alpha and Folate Binding Protein (FBP), is a 37 - 42 kDa protein that mediates the cellular uptake of folic acid and reduced folates. Mature FOLR1 is an N-glycosylated protein that is anchored to the cell surface by a GPI linkage. Human FOLR1 shares 83% amino acid sequence identity with mouse and rat FOLR1. FOLR1 is predominantly expressed on epithelial cells and is dramatically upregulated on many carcinomas. It is critically required during early embryogenesis as shown in knockout mice which die in utero with gross morphological defects.

产品性质

Synonyms	FR-alpha; FR alpha; FR α ; FOLR; FBP; Folbp1; KB cells FBP; MOv18; Fbp1; Folate receptor alpha
Uniprot No.	P15328
Source	Recombinant Biotinylated Human FOLR1 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Arg25-Met233.
Molecular Weight	The protein has a predicted MW of 27.5 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95% as determined by SDS-PAGE and HPLC
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

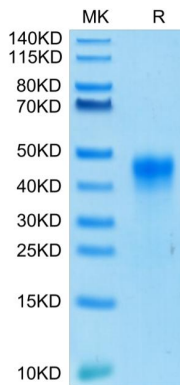
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

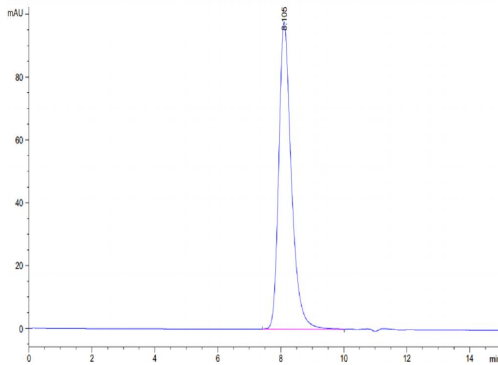
产品数据

Tris-Bis PAGE



Biotinylated Human FOLR1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

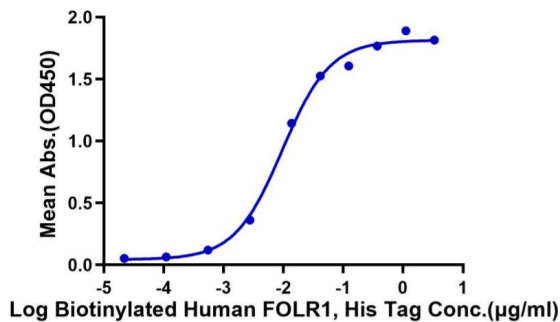
SEC-HPLC



The purity of Biotinylated Human FOLR1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human FOLR1, His Tag ELISA
0.05 μ g Anti-FOLR1 Antibody, hFc Tag Per Well



Immobilized Anti-FOLR1 Antibody, hFc Tag at 0.5 μ g/mL (100 μ l/Well) on the plate. Dose response curve for Biotinylated Human FOLR1, His Tag with the EC₅₀ of 9.6ng/mL determined by ELISA.